

SEWERAGE (42)

MISSION, GOALS AND BUDGET SUMMARY

AGENCY MISSION:

The mission of the Sewerage Division of the Water and Sewerage Department is to treat combined sewerage collected throughout the service area so that the treated effluent is in compliance with the requirements established by the U.S. Environmental Protection Agency and the Michigan Department of Natural Resources.

AGENCY GOALS:

The Sewerage Division is administratively part of the Detroit Water and Sewerage Department maintained as a separate fund in the City of Detroit Accounting System.

AGENCY FINANCIAL SUMMARY:

2003-04 <u>Requested</u>		2002-03 <u>Budget</u>	2003-04 <u>Recommended</u>	Increase (Decrease)
\$ 189,999,999	Departmental Operations	\$ 201,937,522	\$ 189,999,999	\$ (11,937,523)
120,461,100	Debt Service	101,766,400	120,461,100	18,694,700
173,757,700	Capital Appropriations	164,612,040	173,757,700	9,145,660
-	Bonded Capital	410,000,000	-	(410,000,000)
\$ 484,218,799	Total Appropriations	\$ 878,315,962	\$ 484,218,799	\$ (394,097,163)
\$ 484,218,799	Departmental Revenues	\$ 468,315,962	\$ 484,218,799	\$ 15,902,837
-	Sale of Bonds	410,000,000	-	(410,000,000)
\$ 484,218,799	Total Revenues	\$ 878,315,962	\$ 484,218,799	\$ (394,097,163)
\$ -	NET TAX COST:	\$ -	\$ -	\$ -

AGENCY EMPLOYEE STATISTICS:

2003-04 <u>Requested</u>		2002-03 <u>Budget</u>	04-01-03 <u>Actual</u>	2003-04 <u>Recommended</u>	Increase (Decrease)
1,280	City Positions	1,477	1,099	1,301	(176)
1,280	Total Positions	1,477	1,099	1,301	(176)

ACTIVITIES IN THIS AGENCY:

	2002-03 <u>Budget</u>	2003-04 <u>Recommended</u>	Increase (Decrease)
Administrative Services	\$ 24,763,325	\$ 36,426,733	\$ 11,663,408
Financial Services	10,491,760	5,165,337	\$ (5,326,423)
Asset Management	19,013,006	11,291,090	\$ (7,721,916)
Engineering Services	3,387,079	3,066,819	\$ (320,260)
Sewer Operations	144,282,352	134,050,020	\$ (10,232,332)
Sewerage - Capital and Debt Service	676,378,440	294,218,800	\$ (382,159,640)
	\$ 878,315,962	\$ 484,218,799	\$ (394,097,163)

SEWERAGE (42)

ADMINISTRATIVE SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ADMINISTRATIVE SERVICES

The role of the Administrative Support Group is to support the mission and goals of the department. The Administrative Support Group is responsible for carrying out the policies of the Board and the business management of the department. This group consists of ten (10) major divisions: Administration, Public Affairs, Document Management, Security, Office of Program Management, Information Systems Management Division, Commercial Operations, Systems Control, Meter Operations and the Contracts and Grants Division.

The **Public Affairs Division** is primarily responsible for compiling and disseminating public information and materials relative to the department's activities through audiovisual, media relations, public relations, and marketing to better provide retail and wholesale customers, and all national and international stakeholders, accurate and up to date information regarding the Water and Sewerage Department. Public Affairs provides complete audiovisual services for DWSD and produces videotaped public service announcements for multimedia broadcast. Public Affairs assists with the dissemination of information and feedback from employees on DWSD plans, programs, initiatives and promotes a more open and cooperative work environment for all DWSD employees.

Public Affairs is now in charge of the **Commercial Operations Division**. The Commercial Division is responsible for directing, coordinating, processing, and monitoring DWSD retail and suburban wholesale customer billing and collection activities, collection related to delinquent accounts, processing landlord/tenant agreements, bankruptcy claims and other customer service tasks including meter reads, special payment arrangements, coordinating services with other City agencies, schedule customer billing dispute hearings, and other related activities.

The **Document Management Division** is responsible for disseminating information in a timely and efficient manner for Detroit Water and Sewerage internal customers. The division will be responsible for a comprehensive department wide program for Records Management, which includes, but is not limited to: development and management program, records appraisal, retention and disposition, records protection, records and information management technology. The Document Management Division is responsible for the Service Improvement Program.

The **Security Division** is responsible for providing a safe and secure working environment.

The **Office of Program Management (OPMA) Division** currently serves as administrative support for the Office of the DWSD Director and Deputy Director; distributes various regulatory compliance documents relative to EPA, MDEQ, and other electronic legislative information; prepares and coordinates various regulatory reports that include SARA Title III, Michigan Air Emission Reporting Systems (MAERS), Spill Prevention Control & Countermeasure and Pollution Incident Prevention Plans (SPCC/PIP), Process Safety Management Plans (PSMs), and Risk Management Plans (RMPs); coordinates, monitors, prepares, and distributes the monthly DWSD Status Report that updates all activities to be completed per the Second Amended Consent Judgment mandate; Invoice Processing; repository for Wastewater Operations monitoring, violation and compliance reports; Waste Manifest record keeping; maintains a resource library; maintains DWSD Water and Wastewater Service Contracts and Agreements; coordinates and participates in environmental activities with federal, state, and local organizations/universities to build general public awareness; prepares, coordinates, and submits NPDES Permit applications to the MDEQ for the WWTP, and for the Lake Huron and Southwest Water Plants; acts as a liaison between DWSD Divisions and regulatory agencies regarding environmental and regulatory issues; currently manages DWSD Contracts CS-1330, DWS-830A, DWS-851, and other contracts as needed or assigned by the DWSD Director and Deputy Director. Other activities include preparing and submitting the DWSD Wastewater System Operational Plan and PCB/Mercury Minimization Program annual updates to the MDEQ as required by the NPDES Permit, researching and investigating 201 Sites and their impact on the DWSD PCB/Mercury Minimization Program, Emergency/Non-Emergency Environmental Response including Waste Cleanup, Hazardous Waste Removal and Disposal, PCB Equipment Management including Transformers, management of the Underground and Aboveground Storage Tank (UST/AST) Programs, and Steering Committee Member of the DWSD's Health and Safety Contract CS-1322.

The **Contracts and Grants Division** is divided into four (4) major sections: Consultant Contracts, Construction Contracts/State Revolving Fund (SRF) Contracts, and Contracts Audit. Both Consultant, Construction/SRF sections prepare

SEWERAGE (42)

advertisements and contract documents, monitor progress on contract work, including payment and reports, and provide closeout services. The Audits Section provides contract monitoring, closeout, and regular audit functions for construction, consultant services, and construction management projects. Also, the Detroit-Based/Small Business Enterprise (DBB/SBE) section monitors targeted enterprise participation on contracts, which is mandated by Executive Orders and City Ordinances.

The **Information Systems Management Division** centralizes and expands current system/software application LAN/WAN network, related technical and system hardware support services within the department. The department has migrated to a client-server open systems environment using an Oracle database platform which supports some of the existing applications/systems, and a few which are still functioning in the mainframe environment which interfaces with current city applications supported by ITS.

The **Systems Operations Control Division** is directly responsible for pumping treated water to 126 communities and providing wastewater collection services to 78 communities. It remotely operates twenty-one water booster stations and thirteen sewage pump stations from the Systems Control Center and maintains capability for monitoring and controlling the water and sewerage network. This capability provides the flexibility to compensate for changing load levels on the system by adjusting water pressures and reservoir flows as well as selected sewer regulator settings, interceptor flow levels and in-system storage facilities. The division generates valuable data on pressures and levels throughout the system 24 hours per day and keeps pumpage records and logs on all activities within the system, around the clock. After analysis of data, various daily, weekly, four weekly, monthly and annual reports are generated and distributed. The division notifies communities and regulatory agencies about every CSO (combined sewer overflow) event, coordinates all projects affecting the System and keeps DWSD wholesale customers informed of project impacts in advance.

Meter Operations Division: This division focuses on the meter reading function of the department, with an emphasis on meter repair, calibration or replacement for water and wastewater clients (wholesale suburban, residential retail and commercial/industrial). This division also provides much needed instrumentation and controls maintenance support related to the operation of the water production/distribution and wastewater collection systems.

GOALS:

1. To implement the policies of the Board, Charter requirements and Federal mandates for supplying water and sewerage services.
2. To provide an adequate level of trained personnel to operate the water and sewerage systems.
3. To implement a comprehensive agency-wide reference source.
4. To ensure widespread internal knowledge of key messages and to develop a well informed employee base.
5. To educate and inform both retail and wholesale customers and the community about important DWSD projects, initiatives, and water and wastewater issues.
6. Provide adequate technical support services for department-wide information system applications, microcomputers/servers, network and database administrative functions and facilitate interfaces with city information system activities.
7. Replace the Customer Billing and Information System to facilitate completely automated billing functions, increase employee training and initiate activities that will to improve revenue billing and collection efforts, and customer service.
8. The Meter Operations Division's goals are to increase commercial/industrial water meter reading accuracy, and to increase residential water meter reading accuracy to improve the billing and revenue collection stream, by calibrating and maintaining all the meters installed in the system.

SEWERAGE (42)

MAJOR INITIATIVES:

- The Public Affairs Division is charged with coordinating all activities and events relating to the 150th anniversary of the Board of Water Commissioners.
- Complete total water and sewerage meter change-out throughout the City of Detroit and the wholesale customer/suburban areas.

PLANNING FOR THE FUTURE:

1. Establishing a body of Procurement Standards that will not only service the requirements of the DWSD and its industry regulations but also, eliminate obstacles in the purchasing process and develop value-added practices.
2. Emphasize the use of available technology in the area of data base development, budgetary expenditures, and strategic procurement planning.
3. Continue to stress the importance of open and competitive bid solicitation, development of concise equipment and part specifications and the cultivation of a qualified supplier database.
4. Reduce the internal procurement process to 25 Business Days from Purchase Requisition to Purchase Order for the spending level of \$9,999.00 & less.
5. The primary goal of the Reorganization Plan will be to provide a well-rounded customer focus, for the City of Detroit retail and suburban wholesale customers. Under the Reorganization Plan, many of the division's major functions, currently handled by twelve separate sections, will be consolidated. This division will continue to work to develop and implement fair, equitable water and sewerage services rates and charges to all system customers using uniform rate methodologies.

SEWERAGE (42)

ADMINISTRATIVE SERVICES MEASURES AND TARGETS

Goals: Measures	2000-01 Actual	2001-02 Actual	2002-03 Projection	2003-04 Target
Obtain timely approvals of grant amendments and/or loan applications from State and Federal agencies:				
Number of grant applications/amendments	0	1	1	0
Value of grant applications/amendments	\$0	\$470,000	\$69,900	\$0
Number of State Revolving Loan Fund applications	2	3	1	2
Value of loan applications	\$135,665,000	\$68,955,000	\$56,312,000	\$59,660,000
Meter Operations				
Wholesale Meter Replacement (System Total – 279)	125	88	5	0
Commercial/Industrial Meter Replacement (System Total – 16,000)	258	530	550	3,400
Residential Meter Replacement (System Total – 260,000)	9,607	12,913	13,500	50,000
Activity Costs	\$18,198,464	\$20,060,405	\$24,763,325	\$36,426,733

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of the Director Administration	2002-03 Redbook		2003-04 Dept Final Request		2003-04 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00089 - Administration						
421010 - Office of the Director	0	\$2,004,295	0	\$606,897	0	\$345,578
421020 - Public Relations	0	\$1,281,802	0	\$1,122,329	0	\$1,201,084
421030 - Document Management	0	\$231,821	0	\$174,644	7	\$181,290
421040 - General Staff Services	0	\$4,898,359	0	\$7,294,964	0	\$7,294,964
421050 - General Departmental Services	0	\$3,471,785	0	\$3,471,785	0	\$3,471,785
421060 - Human Resources	0	\$26,246	0	\$16,745	0	\$16,745
421070 - Safety	0	\$342,550	0	\$718,314	8	\$465,808
421080 - Security	0	\$3,561,236	0	\$3,378,008	0	\$3,506,446
421090 - Office of Program Management Assist	27	\$2,389,479	16	\$2,112,683	19	\$2,256,103
421095 - Capital Management	0	\$0	0	\$0	0	\$1,610
421100 - Print Shop	0	\$239,390	0	\$200,201	3	\$204,347
421110 - Information Systems Administrative S	0	\$4,845,224	0	\$5,589,522	0	\$5,675,333
421190 - Purchasing	0	\$1,092,193	0	\$1,074,509	0	\$0
421200 - Contracts and Grants	0	\$378,945	0	\$1,175,533	0	\$1,216,598
421220 - Commercial Operations	0	\$0	0	\$0	0	\$5,788,489
421225 - Customer Billing	0	\$0	0	\$0	0	\$270,000
421230 - Customer Service - Detroit	0	\$0	0	\$0	0	\$33,152
421235 - Collections	0	\$0	0	\$0	0	\$19,374
421240 - Addressograph	0	\$0	0	\$0	0	\$597,533
421245 - Meter Reading	0	\$0	0	\$0	0	\$108,888
421250 - Meter Operations	0	\$0	0	\$0	0	\$1,758,584
421255 - Meter Records	0	\$0	0	\$0	0	\$26,636
421260 - Meter Shops	0	\$0	0	\$0	0	\$5,400
421265 - Meter Instrumentation Shop	0	\$0	0	\$0	0	\$55,986
421310 - Pumping Station - Belle Isle	0	\$0	0	\$0	0	\$1,925,000
APPROPRIATION TOTAL	27	\$24,763,325	16	\$26,936,134	37	\$36,426,733
ACTIVITY TOTAL	27	\$24,763,325	16	\$26,936,134	37	\$36,426,733

CITY OF DETROIT
Budget Development for FY 2003 - 2004
Appropriations - Summary Objects

	2002-03 Redbook	2003-04 Dept Final Request	2003-04 Mayor's Budget Rec
AC0542 - Administration Services			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	5,776,002	5,840,573	10,106,414
EMPBENESL - Employee Benefi	2,130,229	3,243,186	5,976,297
PROFSVCSL - Professional/Con	2,685,437	2,477,437	2,847,437
OPERSUPSL - Operating Suppli	54,317	37,096	189,596
OPERSVCSL - Operating Servic	7,748,886	10,236,240	12,614,940
OTHEXPSSL - Other Expenses	6,368,454	5,101,602	4,692,049
<i>A42000 - Sewerage Department</i>	<i>24,763,325</i>	<i>26,936,134</i>	<i>36,426,733</i>
AC0542 - Administration Services	24,763,325	26,936,134	36,426,733
Grand Total	24,763,325	26,936,134	36,426,733

SEWERAGE (42)

FINANCIAL SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: FINANCIAL SERVICES GROUP

The Financial Services Group consists of five (5) divisions, which provide general accounting, purchasing, materials management, financial planning and internal audit services for both (Water Supply and Sewage Treatment Operations) within the department. The divisions reporting to the Financial Services Group include the following:

The **Accounting Division** contains several sections which combined are responsible for directing, coordinating, posting, processing and monitoring activities related to cash receipts and disbursements, investments, bank activities, vendor payments, inventory activities and depreciation of property, plant and equipment, year-end closing and financial operation analysis to facilitate preparation of the trial balance and financial statements. In addition, this division coordinates activities related to the annual city audit, provides financial information as processed by the Oracle system, and performs other related tasks.

The **Financial Planning Division** is responsible for coordination, development, implementation and monitoring activities related to the DWSD operation and maintenance (O&M) budget, water supply and sewage treatment system service rates and charges, the Capital Improvement Program (CIP) activities, coordination of system revenue bond financing, and other related functions for the department.

The **Internal Audit Division** facilitates the department's internal efforts to perform operational audits of transactions, procedures, and processes in various areas within DWSD, analysis and/or other investigative tasks. In addition, this section works with the external auditors to facilitate completion of audit activities. This section reports findings, and makes recommendations were necessary to improve performance of operations, accountability, ensure appropriate accounting controls, and safeguard the department's assets.

Materials Management Division: The mission of the Materials Management Division is to make available a supply of goods and services necessary to support DWSD in its mission at all times, under all conditions, at an optimum value per dollar spent while maintaining public confidence. To accomplish this mission Materials Management recommends policies and procedures, and executes approved policies and procedures, regarding operations and maintenance of fuel dispensing systems, inventory control, stocking of materials, resource recovery and auditing the preceding functions. The division also provides limited moving, transportation and warehousing services for materials and equipment.

The **Purchasing Division** ensures goods and services are purchased in the most efficient manner, are delivered by the date needed, at the maximum end-use value per dollar spent, and meet the quality specified and finally that during the entire procurement process the department has complied with all Federal, State and Local Laws, Statutes, Ordinances, and Executive Orders that pertain to the Procurement Process.

GOALS:

1. To develop and implement fair, equitable water and sewage rates and charges to all system customers using uniform rate methodologies.
2. Improve the integrity and timeliness of posting accounting transactions via the use of the City's Detroit Resource Management System (DRMS), prepare financial statements and perform employee training, and improve customer service.
3. Maintain and/or strive to achieve revenue bond credit ratings upgrades for both systems through continual review and improvement of operational, financial and management policies internal and external to the department.
4. Improve budgetary development and monitoring activities via use of enhanced technology (the City's Budget Resource and Support System-BRASS), business processes and continued employee training in all respective areas, and in the long run reduce operational expenditures where possible emphasizing operational efficiency department-wide.
5. Perform appropriate internal audit activities, provide recommendations where necessary to facilitate the improvement of operational performance, accountability, ensure appropriate accounting controls, and safeguard the department's assets.
6. The Materials Management Division's goals are to continue to improve upon customer satisfaction, improve stores/warehousing operations efficiency/effectiveness (i.e., inventory levels), improve Item Master records, develop a specification catalog, establish target inventory service levels (i.e. reorder points), and balance inventory levels to budgeted cost.

SEWERAGE (42)

MAJOR INITIATIVES:

- Implementation of the new customer billing system began in FY2001-02.
- EMPAC was upgraded from version 7.7 to version 8.5.
- Continue reducing and improving the 'Purchasing Item Master' for goods and services.

PLANNING FOR THE FUTURE:

Use of EMPAC Systems on the Waterside for preventative maintenance and inventory management. Produce accurate and timely monthly and annual financial statements.

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assist Director Financial Service	2002-03 Redbook		2003-04 Dept Final Request		2003-04 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
Financial Services Group						
<i>APPROPRIATION ORGANIZATION</i>						
00090 - Financial Services Group						
422010 - Office of Assist Director Financial Sen	0	\$934,023	0	\$139,075	0	(\$232,303)
422020 - Financial Administrative Services	0	\$938,723	0	\$626,861	0	\$649,433
422030 - Budget/Fiscal Reporting	0	\$9,479	0	\$10,626	0	\$10,626
422040 - Rates	0	\$1,990	0	\$2,231	0	\$2,231
422050 - Capital Improvement Program	0	\$1,437	0	\$1,610	0	\$0
422080 - General Accounting Administrative Se	0	\$1,691,131	0	\$1,756,673	0	\$1,841,994
422090 - Financial Reporting	0	\$45,137	0	\$50,600	0	\$50,600
422100 - Fixed Assets/Inventory/Payables	0	\$23,800	0	\$26,680	0	\$26,680
422110 - Cash Management	0	\$39,393	0	\$44,160	0	\$44,160
422120 - Commercial Operations Administrative	0	\$5,801,555	0	\$5,525,001	0	\$0
422130 - Customer Billing	0	\$278,548	0	\$270,020	0	\$0
422140 - Customer Service Detroit	0	\$30,558	0	\$33,152	0	\$0
422150 - Collections	0	\$22,544	0	\$19,374	0	\$0
422160 - Addressograph	0	\$561,095	0	\$597,533	0	\$0
422170 - Meter Reading	0	\$112,347	0	\$108,888	0	\$0
422220 - Purchasing	0	\$0	0	\$0	0	\$1,100,076
422230 - Materials Management	0	\$0	0	\$0	0	\$1,637,754
422235 - Wastewater Plant Stores	0	\$0	0	\$0	0	\$27,583
422240 - Sewerage Secondary Stores	0	\$0	0	\$0	0	\$3,740
422250 - Inventory Control	0	\$0	0	\$0	0	\$1,020
422255 - Inventory Audit	0	\$0	0	\$0	0	\$1,743
APPROPRIATION TOTAL	0	\$10,491,760	0	\$9,212,484	0	\$5,165,337
ACTIVITY TOTAL	0	\$10,491,760	0	\$9,212,484	0	\$5,165,337

CITY OF DETROIT
Budget Development for FY 2003 - 2004
Appropriations - Summary Objects

	2002-03 Redbook	2003-04 Dept Final Request	2003-04 Mayor's Budget Rec
AC1042 - Financial Services			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	1,624,061	4,853,331	3,104,937
EMPBENESL - Employee Benefi	816,322	2,915,688	1,934,777
OPERSUPSL - Operating Suppli	0	0	33,000
OPERSVCSL - Operating Servic	0	0	5,400
CAPOUTLSL - Capital Outlays/I	0	0	1,500
OTHEXPSSL - Other Expenses	8,051,377	1,443,465	85,723
<i>A42000 - Sewerage Department</i>	<i>10,491,760</i>	<i>9,212,484</i>	<i>5,165,337</i>
AC1042 - Financial Services	10,491,760	9,212,484	5,165,337
Grand Total	10,491,760	9,212,484	5,165,337

SEWERAGE (42)

ASSET MANAGEMENT GROUP ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ASSET MANAGEMENT GROUP

Asset Management provides maintenance services and facilities support assistance to its internal customers (i.e., the other five (5) administrative and operational groups) of the Water and Sewerage Department. Activities such as corrective and preventive maintenance for equipment and facilities is directed and coordinated through this group. Other functions include buildings, grounds and plant repair chores. This group is also responsible for vehicle fleet management operations and meter calibration and maintenance operations.

Plants, Buildings, Grounds and Mechanical Maintenance Division: This division provides facilities centralized/major maintenance support assistance at all plants (water and wastewater), water booster stations, sewage pumping stations, customer service centers, maintenance/repair yard facilities and administrative buildings for the purposes of housekeeping, grounds keeping, electrical, mechanical, instrumental and other skilled trades or unskilled functions, as necessary. Similarly, also provided is a support base for equipment repair, calibration or replacement, particularly for heating, ventilation and air conditioning units, as well as for pumps, motors, valves, vehicles and support various numerous appurtenances.

The **Maintenance and Repair Division** is responsible for maintenance, repair and extension of sewers, drainage lines, sewer system appurtenances and auxiliary equipment. The division also has the responsibility for the maintenance and repair of water service lines, water mains and over 30,000 fire hydrants. The maintenance yards work from four geographic units – Central, East, North, and West Yards with one Heavy Repair Construction Section.

GOALS:

1. The Plants, Buildings, Grounds and Mechanical Maintenance Division's goals are to improve pumping unit (i.e., pump and motor) equipment availability overall (i.e., water distribution and sewage transport systems), improve lawn/grounds maintenance service at water plants, booster stations, pumping stations, improve employees' safety at work locations/sites, and the general efficiency/effectiveness of support functions.
2. Reduce the average response and repair time for water system leaks and breaks.
3. Maintain adequate stores and supplies to meet repair needs.
4. Increase repair crew productivity through new work methods and equipment changes.
5. Implement preventive maintenance measures on distribution system valves and hydrants.

MAJOR INITIATIVES:

- Continue the development and implement a plan for a preventative/predictive maintenance program.
- Continue the improvement of service to internal customers by either implementing, establishing, or expanding 'off-shift' operations.
- Continue increasing general staff training efforts.

PLANNING FOR THE FUTURE:

1. Continue Management Succession Planning.
2. Establish and implement a solid supervisory/management training track that would adequately/prepare staff for leadership roles.
3. Continuing to work at filling staffing vacancies by accessing traditional options.

SEWERAGE (42)

ASSET MANAGEMENT MEASURES AND TARGETS

Goals:	2000-2001	2001-2002	2002-2003	2003-04
Measures	Actual	Actual	Projection	Target
Plants, Buildings, Grounds and Mechanical Maintenance -				
Major Pumping Units Availability – Sewage (Benchmark – 85%)	83.5%	82.2%	84.0%	85.0%
Sites Maintained	78	78	78	78
Acreage Maintained	1,395	1,395	1,395	1,395
Vehicle Maintenance Performed (Repairs)	N/A	8,187	9,000	9,500
Operations (Calibration/Testing/Maintenance) -				
Wholesale Meter Replacement (System Total – 55)	4	55	55	55
Activity Costs	\$16,712,895	\$6,950,627	\$19,013,006	\$11,291,090

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director Asset Manage Asset Maintenance Group	2002-03 Redbook		2003-04 Dept Final Request		2003-04 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00161 - Asset Maintenance Group						
424010 - Office of Assistant Director Asset Man	0	\$690,644	0	\$228,235	0	(\$285,931)
424020 - Materials Management Administration	0	\$2,047,074	0	\$1,562,762	0	\$0
424040 - Wastewater Treatment Plant Stores	0	\$34,364	0	\$27,583	0	\$0
424050 - Sewerage Secondary Stores	0	\$3,740	0	\$3,740	0	\$0
424060 - Inventory Control	0	\$6,868	0	\$1,020	0	\$0
424070 - Inventory Audit	0	\$5,864	0	\$1,743	0	\$0
424080 - Meter Operations	0	\$2,229,091	0	\$1,678,062	0	\$0
424090 - Meter Records	0	(\$340,921)	0	\$26,636	0	\$0
424100 - Meter Shop Suburban	0	\$70,481	0	\$5,400	0	\$0
424110 - Meter Instrumentation Shop	0	\$74,708	0	\$55,986	0	\$0
424120 - Mechanical Operations Administration	0	\$8,478,540	0	\$6,581,600	0	\$6,900,027
424130 - Ground Maintenance	0	(\$526,499)	0	\$74,707	0	\$74,707
424140 - Field Operations	0	\$2,767,746	0	\$1,159,432	0	\$1,159,432
424150 - Mechanical Maintenance	0	\$1,555,968	0	\$1,660,847	0	\$1,660,847
424190 - Water Board Building	0	\$1,915,338	0	\$1,741,783	0	\$1,782,008
APPROPRIATION TOTAL	0	\$19,013,006	0	\$14,809,536	0	\$11,291,090
ACTIVITY TOTAL	0	\$19,013,006	0	\$14,809,536	0	\$11,291,090

CITY OF DETROIT
Budget Development for FY 2003 - 2004
Appropriations - Summary Objects

	2002-03 Redbook	2003-04 Dept Final Request	2003-04 Mayor's Budget Rec
AC1542 - Asset Management			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	9,514,802	6,720,651	4,887,248
EMPBENESL - Employee Benefi	4,492,314	3,999,491	3,010,656
PROFSVCSL - Professional/Con	0	3,468,000	3,468,000
OPERSUPSL - Operating Suppli	40,350	1,305,000	1,272,000
OPERSVCSL - Operating Servic	5,800	486,100	480,700
CAPEQUPSL - Capital Equipmei	0	6,100	6,100
CAPOUTLSL - Capital Outlays/I	2,000	21,500	20,000
OTHEXPSSL - Other Expenses	4,957,740	(1,197,306)	(1,853,614)
<i>A42000 - Sewerage Department</i>	<i>19,013,006</i>	<i>14,809,536</i>	<i>11,291,090</i>
AC1542 - Asset Management	19,013,006	14,809,536	11,291,090
Grand Total	19,013,006	14,809,536	11,291,090

SEWERAGE(42)

ENGINEERING SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ENGINEERING SERVICES-SEWER

Engineering Services provides engineering services to the remaining four (4) operational groups within the department. The Engineering Services consists of seven (7) broad functional groups: Engineering/Administrative Support, Wastewater Construction, Wastewater Design, Facilities Design, Water & Sewer Systems, Field Engineering and Combined Service Overflow Groups. A description of each group follows:

The **Engineering Administration** is headed by the General Manager of Engineering Services who advises the Division's engineering and contract administration functions. The General and Assistant Superintendents of Engineering prosecute the day-to-day engineering/contract activities. The Engineering and Administrative Support section provides general support to the Division's other six (6) groups. Support activities include fiscal projection and management, human resources management, material resources management, organizational development and training, statistical operations reporting, project accounting and reporting, and property management.

The **Wastewater Construction Group** inspects construction and alterations of the Wastewater Treatment Plant buildings and equipment for contract conformance. Design documents and this group reviews drawings in coordination with the Wastewater Design Group.

The **Wastewater Design Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications, by in-house or consultant forces, and acts as a resource for construction or field engineering staff for projects related to the wastewater system.

The **Facilities Design Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications, by in-house or consultant forces, and acts as a resource for construction or field engineering staff efforts for projects related to Department locations and facilities (excluding the Wastewater Treatment Plant).

The **Water & Sewer Systems Group** directs and coordinates the preparation of design reports, cost estimates, plans and specifications for all transmission/distribution mains for water and sewer projects. This group is also responsible for the maintenance of all maps and records associated with the water and sewer system. This group consists of four (4) sections; Urban Design, Planning, Suburban Engineering and Records, and Major Design.

The **Field Engineering Group** plans, directs, and coordinates field engineering personnel in ongoing construction inspection for compliance of water mains, sewers, building construction, and equipment installation contracts; oversees all Water Treatment Plant renovations to check conformance to accepted standards; insures the structural integrity of water systems during new and alteration construction work; initiates change orders; and provides locations stake-out under the "Miss Dig" system.

The **CSO Group** directs and coordinates the preparation or design reports, cost estimates and plans and specification by consultant forces and acts as a resource to the construction or field engineering staff for projects related to CSO.

GOALS:

1. To perform the related functions of these divisions by reasonably and conservatively coordinating and managing resources via each operational group.
2. To insure that all engineering designs are in compliance with all federal, state and local agency requirements.
3. To insure that all water, sewage disposal and wastewater facilities are constructed in conformity with the plans and specifications, and those specifications are functional.

SEWERAGE(42)

MAJOR INITIATIVES:

The Wastewater Master Plan will be completed in 02-03, to ascertain what facilities will be necessary over the next fifty years.

PLANNING FOR THE FUTURE:

Plans for the future remain consistent with current year plans.

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Engineering Engineering Services - Sewage	2002-03 Redbook		2003-04 Dept Final Request		2003-04 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
05831 - Engineering Services - Sewage						
423010 - Office of Assistant Director of Enginee	0	\$82,422	0	\$1,564	0	(\$184,505)
423020 - Engineering Administrative Services	256	\$3,142,813	178	\$3,024,445	178	\$3,210,508
423030 - Field Engineering Group	0	\$52,618	0	\$9,597	0	\$9,597
423040 - Wastewater Design	0	\$56,611	0	\$19,908	0	\$19,908
423050 - Sewerage System	0	\$52,615	0	\$11,311	0	\$11,311
APPROPRIATION TOTAL	256	\$3,387,079	178	\$3,066,825	178	\$3,066,819
ACTIVITY TOTAL	256	\$3,387,079	178	\$3,066,825	178	\$3,066,819

CITY OF DETROIT
Budget Development for FY 2003 - 2004
Appropriations - Summary Objects

	2002-03 Redbook	2003-04 Dept Final Request	2003-04 Mayor's Budget Rec
AC2042 - Engineering Services - Sewage			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	2,371,561	2,399,340	2,483,316
EMPBENESL - Employee Benefi	678,273	519,351	626,258
PROFSVCSL - Professional/Con	454,576	50,000	50,000
OPERSUPSL - Operating Suppli	242,543	146,434	146,434
OPERSVCSL - Operating Servic	503,931	386,610	386,610
OTHEXPSSL - Other Expenses	(863,805)	(434,910)	(625,799)
<i>A42000 - Sewerage Department</i>	3,387,079	3,066,825	3,066,819
AC2042 - Engineering Services - Sewage	3,387,079	3,066,825	3,066,819
Grand Total	3,387,079	3,066,825	3,066,819

SEWERAGE (42)

SEWER OPERATIONS ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: SEWER OPERATIONS

Sewerage Plant Operations consists of the Wastewater Treatment Plant and the Industrial Waste Control Division.

A description of each group follows:

1. The Wastewater Treatment Plant is operated on a 24 hour-per-day basis. Operations at the plant include the removal and disposal of solids collected from sewage, disinfection of the wastewater effluent, analysis of wastewater and industrial waste samples to insure compliance with various ordinances, laws, the plant's National Pollutant Discharge Elimination System (NPDES) Permit, and performance of maintenance tasks on plant equipment.
2. The Industrial Waste Control Division regulates the discharge of wastewater into the sewerage system from commercial, industrial and other non-domestic sources. These activities include on-site inspections of facility operations, monitoring of wastewater discharges, issuance of permits with applicable requirements and controls, and enforcement of the City of Detroit Ordinance 23-86, 34-96, and applicable federal and state laws.

GOALS:

Wastewater Treatment Plant

1. The WWTP will start-up and operate new equipment.
2. The WWTP will coordinate ongoing and new CIP construction projects that significantly impact the operation of the WWTP.
3. Following the completion of a major WWTP training assessment, the WWTP will begin to implement necessary changes to the training program. This effort will be coordinated in conjunction with contract PC-744.
4. The WWTP will continue to implement the Cultural Change process.
5. Implementation of the LIMS to automate data handling at the Analytical Lab.
6. The WWTP will continue to rectify the WWTP CIP Program. PC-744 includes an interactive process that supports this planning effort.
7. The lease for MCHT will expire in 2009; a new laboratory facility is needed and a capital project is being defined.

Industrial Waste Control

1. To implement a complete regulatory control program of all non-domestic wastewater released to the Detroit Sewerage System.
2. To initiate appropriate enforcement actions to remedy non-complying discharges, including administrative and legal actions.
3. To protect and preserve the local environment of the City of Detroit and Southeastern Michigan.

MAJOR INITIATIVES:

1. Established Pollution Prevention (P2) unit to develop, and promote P2 initiatives for Industrial and Commercial Users.
2. Worked with EPA and MDEQ and the Michigan Metalfinishers Association to define a Strategic Goals Program and Michigan P2 Metalfinishing Initiative within the Detroit Service Region and state-wide.

PLANNING FOR THE FUTURE:

1. Support and coordinate implementation of a Pretreatment Information Management System (PIMS) within the division (CS-1295). Implementation target of first quarter 2003.
2. Review and revise division business operation plans as the PIMS is implemented.

SEWERAGE (42)

SEWER OPERATIONS MEASURES AND TARGETS

Goals: Measures	2000-01 Actual	2001-02 Actual	2002-03 Projection	2003-04 Target
Meet all Federal, State and local requirements for the clean air and clean water standards:				
Average sewage pumped per day (MGD)	696	736	700	710
Sludge produced (wet tons)	750,715	782,925	775,000	765,800
Tons of materials incinerated (wet)	548,400	581,080	551,600	559,400
Implement a complete regulatory control program of all non-domestic wastewater released into the sewerage system:				
Number of facility inspections	900	800	800	800
Number of wastewater permits	425	400	400	410
Initiate appropriate enforcement actions to remedy no-complying discharges:				
Number of enforcement notices and violations	300	362	350	300
Number of compliance and administrative hearings	50	11	20	25
Number of civil actions initiated	4	0	0	0
Value of penalties/fees assessed	350,000	59,944	70,000	75,000
Protect and preserve the local environment of the city and Southeastern Michigan:				
Number of samples collected	8,500	13,201	12,000	12,000
Number of permits revoked	1	2	1	1
Activity Costs	\$133,970,556	\$129,270,401	\$144,282,352	\$134,050,020

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Wastewater Wastewater Plant Operations	2002-03 Redbook		2003-04 Dept Final Request		2003-04 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00162 - Wastewater Plant Operations						
425010 - Office of Assistant Director of Wastew	8	\$1,623,635	6	\$757,146	6	(\$3,522,907)
425020 - Plant Administration	1059	\$66,067,451	960	\$64,681,718	960	\$68,559,683
425030 - Analytical Laboratory	0	\$2,538,000	0	\$1,349,500	0	\$1,349,500
425040 - Control System Engineering	0	\$730,500	0	\$859,000	0	\$859,000
425060 - Document Control	0	\$217,400	0	\$201,552	0	\$201,552
425070 - Treatment Plant Maintenance	0	\$7,514,802	0	\$12,708,333	0	\$12,708,333
425080 - Operations Laboratory	0	\$7,179,508	0	\$79,100	0	\$79,100
425090 - Plant Engineering	0	\$20,000	0	\$15,000	0	\$15,000
425100 - Process Engineering	0	\$11,332,046	0	\$10,393,369	0	\$10,393,369
425110 - Training	0	\$84,000	0	\$95,000	0	\$95,000
425120 - Treatment Operations	0	\$23,503,300	0	\$31,348,100	0	\$31,348,100
425130 - Industrial Waste Control Administratio	0	\$736,906	0	\$737,116	0	\$737,116
425140 - I. W. C. Field Monitoring	127	\$7,316,720	120	\$6,441,586	120	\$6,843,674
425150 - I. W. C. Program Operations	0	\$2,725,500	0	\$3,725,500	0	\$3,725,500
425160 - System Control Center	0	\$1,579,594	0	\$0	0	\$0
425230 - Belle Isle	0	\$2,175,000	0	\$1,925,000	0	\$0
425330 - Central Yard	0	\$7,958,760	0	\$0	0	\$0
425340 - East Yard	0	\$32,552	0	\$0	0	\$0
425350 - West Yard	0	\$38,954	0	\$0	0	\$0
425360 - North Yard	0	\$44,891	0	\$0	0	\$0
425395 - Puritan / Fenkell	0	\$862,833	0	\$658,000	0	\$658,000
APPROPRIATION TOTAL	1194	\$144,282,352	1086	\$135,975,020	1086	\$134,050,020
ACTIVITY TOTAL	1194	\$144,282,352	1086	\$135,975,020	1086	\$134,050,020

CITY OF DETROIT
Budget Development for FY 2003 - 2004
Appropriations - Summary Objects

	2002-03 Redbook	2003-04 Dept Final Request	2003-04 Mayor's Budget Rec
AC2542 - Sewer Operations			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	65,846,803	53,363,613	55,231,340
EMPBENESL - Employee Benefi	14,623,207	11,542,997	13,984,030
PROFSVCSL - Professional/Con	18,171,659	15,338,369	15,338,369
OPERSUPSL - Operating Suppli	15,212,510	22,071,013	21,996,013
OPERSVCSL - Operating Servic	32,723,986	32,535,028	30,685,028
CAPOUTLSL - Capital Outlays/I	750,000	750,000	750,000
OTHEXPSSL - Other Expenses	(3,045,813)	374,000	(3,934,760)
<i>A42000 - Sewerage Department</i>	<i>144,282,352</i>	<i>135,975,020</i>	<i>134,050,020</i>
AC2542 - Sewer Operations	144,282,352	135,975,020	134,050,020
Grand Total	144,282,352	135,975,020	134,050,020

SEWERAGE (42)

SEWERAGE - CAPITAL ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: SEWERAGE - CAPITAL PROGRAM

The capital program for the Sewage Disposal System is a five year plan devoted to replacing, rehabilitating, or improving existing process facilities at the Wastewater Treatment Plant; construction or installation of new facilities at the Wastewater Treatment Plant; rehabilitating sewage pumping stations and major sewers; construction of retention basins and other sewer overflow (CSO) control measures throughout the combined sewer system; replacement of suburban sewage primary measuring devices; replacing or relining deteriorated lateral sewers in the City of Detroit; installing new sewers or re-routing existing sewers to accommodate new development in the Empowerment Zone and throughout the City of Detroit; automating the meter reading function; and upgrading the instrumentation and process control equipment for the Wastewater Treatment Plant and the sewage collection system.

GOALS:

To provide essential, efficient and user-friendly services by:

1. Continuing to improve, expand, and rehabilitate the Wastewater Treatment Plant to provide a cost and energy efficient sewage treatment facility that meets all water and air quality standards.
2. Continuing to construct combined sewer retention basins, rehabilitate and improve sewage pumping stations and implement other measures for the containment of combined sewer overflow, thereby reducing the frequency and magnitude of combined sewer overflows to the Detroit and Rouge Rivers.
3. Continuing to construct those interceptor and control facilities needed to adequately service all customers, and replacing and rehabilitating suburban wholesale customer primary measuring devices and meter pits to more accurately measure and bill for wastewater treatment service provided.
4. Continuing to replace those lateral sewers in the City of Detroit which are deteriorated or are of insufficient capacity to service customers.
5. Continuing to computerize various wastewater functions to reduce costs and improve operations.

SEWERAGE (42)

SEWERAGE - CAPITAL MEASURES AND TARGETS

Goals: Measures	2000-01 Actual	2001-02 Actual	2002-03 Projection	2003-04 Target
Continue the expansion and improvement of the Wastewater Treatment Plant to provide a cost and energy efficient treatment facility which meets all water and air effluent standards:				
Number of capital projects – Wastewater Treatment Plant	63	71	99	79
Value of capital projects – Wastewater Treatment Plant	196,473,000	129,913,000	199,732,000	264,401,000
Continue to operate and expand facilities for the containment of combined sewer overflows, reducing spills to receiving waters:				
Number of capital projects – not at Wastewater Treatment Plant	44	40	32	27
Value of capital projects - not at Wastewater Treatment Plant	51,145,000	88,298,000	137,778,000	110,557,000
Continue to construct those interceptor and control facilities needed to adequately service all customers:				
Number of capital projects	14	14	10	8
Value of capital projects	11,232,000	13,848,000	9,708,000	11,074,000
Computerize system processes and functions to improve efficiency and reduce costs through planning and administration:				
Number of capital projects	31	34	36	29
Value of capital projects	16,350,000	18,984,000	43,389,000	39,433,000
Replace those in-City lateral sewers which require an inordinate amount of maintenance or are of insufficient capacity to service customers:				
Number of capital projects	11	13	13	9
Value of capital projects	11,203,000	12,517,000	20,228,000	44,691,000
Total number of ongoing projects	163	172	190	152
Total value of ongoing projects	286,403,000	263,524,000	410,835,000	470,156,000
Activity Costs	\$286,634,236	\$293,349,435	\$676,378,440	\$294,218,800

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Bond Principle & Interest Redemption Fund Interest and Bond Redemption	2002-03 Redbook		2003-04 Dept Final Request		2003-04 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00168 - Interest and Bond Redemption						
427010 - Bond Principle & Interest Redemption	0	\$101,766,400	0	\$120,461,100	0	\$120,461,100
APPROPRIATION TOTAL	0	\$101,766,400	0	\$120,461,100	0	\$120,461,100
00169 - Sewerage System Improvements						
424160 - Purchases-Automotive	0	\$3,000,000	0	\$8,500,000	0	\$8,500,000
424180 - Purchases-General	0	\$5,500,000	0	\$0	0	\$0
427030 - Sewerage System Improvements	0	\$26,582,840	0	\$40,486,700	0	\$40,486,700
APPROPRIATION TOTAL	0	\$35,082,840	0	\$48,986,700	0	\$48,986,700
00443 - Extraordinary Repairs and Replacement						
427040 - Extraordinary Repair & Replacement	0	\$3,323,600	0	\$109,100	0	\$109,100
APPROPRIATION TOTAL	0	\$3,323,600	0	\$109,100	0	\$109,100
04168 - Sewage Bond Fund						
427050 - Sewerage Bond Fund Construction	0	\$0	0	\$123,571,000	0	\$123,571,000
APPROPRIATION TOTAL	0	\$0	0	\$123,571,000	0	\$123,571,000
05735 - Sewerage Reserve Deposit						
427025 - Sewerage Reserve Deposit	0	\$2,634,600	0	\$1,090,900	0	\$1,090,900
APPROPRIATION TOTAL	0	\$2,634,600	0	\$1,090,900	0	\$1,090,900
10267 - 1999 Sewerage Bond Series						
427115 - Sewerage Construction Bond Fund Series	0	\$533,571,000	0	\$0	0	\$0
APPROPRIATION TOTAL	0	\$533,571,000	0	\$0	0	\$0
ACTIVITY TOTAL	0	\$676,378,440	0	\$294,218,800	0	\$294,218,800

CITY OF DETROIT
Budget Development for FY 2003 - 2004
Appropriations - Summary Objects

	2002-03 Redbook	2003-04 Dept Final Request	2003-04 Mayor's Budget Rec
AC3042 - Sewerage - Capital and Debt Service			
<i>A42000 - Sewerage Department</i>			
CAPEQUPSL - Capital Equipmei	8,500,000	8,500,000	8,500,000
OTHEXPSSL - Other Expenses	566,112,040	165,257,700	165,257,700
FIXEDCHGSL - Fixed Charges	101,766,400	120,461,100	120,461,100
<i>A42000 - Sewerage Department</i>	<i>676,378,440</i>	<i>294,218,800</i>	<i>294,218,800</i>
AC3042 - Sewerage - Capital and Debt Ser	676,378,440	294,218,800	294,218,800
Grand Total	676,378,440	294,218,800	294,218,800

CITY OF DETROIT
Budget Development for FY 2003 - 2004
Appropriation Summary - Revenues

	2001-02 Actuals	2002-03 Redbook	2003-04 Dept Final Request	2003-04 Mayor's Budget Rec	Variance
A42000 - Sewerage Department					
00759 - Sewage Bond Reserve					
461100 - Earnings On Investmer	6,753,975	0	0	0	0
00759 - Sewage Bond Reserve	6,753,975	0	0	0	0
00838 - State Revenue Sharing - State Revolv F					
461100 - Earnings On Investmer	392,817	11,302,100	12,115,100	12,115,100	813,000
522110 - Project Borrowings	0	123,571,000	123,571,000	123,571,000	0
00838 - State Revenue Sharing - State	392,817	134,873,100	135,686,100	135,686,100	813,000
00956 - Sewage Bond Fund Series 1995A					
461100 - Earnings On Investmer	116,041	0	0	0	0
00956 - Sewage Bond Fund Series 19	116,041	0	0	0	0
04828 - Revenue - Sewerage Receiving					
413155 - Sewer Tap Fees	22,625	0	0	0	0
440100 - Maintenance & Constr	(1,680)	0	0	0	0
441100 - Other Labors and Mate	390,138	600,000	600,000	600,000	0
447235 - Sewage Hi-Str Surcha	613,902	0	0	0	0
447236 - City of Detroit IWC Cha	3,879,835	0	0	0	0
447240 - Industrial Waste Surcha	7,497,444	0	0	0	0
447246 - IWC Penalties - Detroit	124,767	0	0	0	0
447250 - Sewage Treatment Sal	100,835,473	144,224,523	151,967,900	151,967,900	7,743,377
447255 - Sewage Treatment - W	143,217,733	165,832,050	181,150,300	181,150,300	15,318,250
447260 - Pollutant Surcharges	1,453,320	2,173,305	3,149,600	3,149,600	976,295
447285 - Sewage Disposal -Depi	1,429,687	0	0	0	0
447287 - Septic Tank Disposal	(40,066)	0	0	0	0
447300 - Other Utility Revenue	6,751,090	0	0	0	0
448115 - Other Fees	351,924	4,400,000	3,900,000	3,900,000	(500,000)
448170 - Other Fee-Shut Off-Tur	148,336	0	0	0	0
448190 - Illegal Turn on Penalty	33,246	0	0	0	0
461100 - Earnings On Investmer	198,122	75,000	75,000	75,000	0
462241 - Rent of Building and Sp	6,620	0	0	0	0
472100 - Other Forfeits And Pen	189	0	0	0	0
472117 - Late Payment Fee	3,079,387	0	0	0	0
472150 - Other Miscellaneous	179,749	0	0	0	0
472220 - Ng Check Service Chai	18,318	0	0	0	0
474100 - Miscellaneous Receipts	0	6,477,584	149,899	149,899	(6,327,685)
04828 - Revenue - Sewerage Receiving	270,190,159	323,782,462	340,992,699	340,992,699	17,210,237
04829 - Revenue - Sewerage Operation - Mainte					
461100 - Earnings On Investmer	81,531	1,117,500	955,100	955,100	(162,400)

CITY OF DETROIT
Budget Development for FY 2003 - 2004
Appropriation Summary - Revenues

	2001-02 Actuals	2002-03 Redbook	2003-04 Dept Final Request	2003-04 Mayor's Budget Rec	Variance
A42000 - Sewerage Department					
04829 - Revenue - Sewerage Operation - Mainte					
472150 - Other Miscellaneous	1,272,335	0	0	0	0
04829 - Revenue - Sewerage Operatic	1,353,866	1,117,500	955,100	955,100	(162,400)
00162 - Wastewater Plant Operations					
441100 - Other Labors and Mate	37,178	0	0	0	0
462241 - Rent of Building and Sp	4,800	0	0	0	0
474100 - Miscellaneous Receipts	(1)	0	0	0	0
00162 - Wastewater Plant Operations	41,977	0	0	0	0
00168 - Interest and Bond Redemption					
461100 - Earnings On Investmer	611,774	6,397,600	4,932,900	4,932,900	(1,464,700)
00168 - Interest and Bond Redemptioi	611,774	6,397,600	4,932,900	4,932,900	(1,464,700)
00169 - Sewerage System Improvements					
461100 - Earnings On Investmer	103,021	386,400	362,900	362,900	(23,500)
00169 - Sewerage System Improveme	103,021	386,400	362,900	362,900	(23,500)
00443 - Extraordinary Repairs and Replacement					
461100 - Earnings On Investmer	1,292,466	1,758,900	1,289,100	1,289,100	(469,800)
00443 - Extraordinary Repairs and Re	1,292,466	1,758,900	1,289,100	1,289,100	(469,800)
10267 - 1999 Sewerage Bond Series					
461100 - Earnings On Investmer	6,253,970	0	0	0	0
471905 - Contributed Revenue	751,800	0	0	0	0
10267 - 1999 Sewerage Bond Series	7,005,770	0	0	0	0
10726 - Sewer Bond Fund - Series 2001					
461100 - Earnings On Investmer	4,575,596	0	0	0	0
522100 - Sale Of Bonds	0	410,000,000	0	0	410,000,000
10726 - Sewer Bond Fund - Series 20	4,575,596	410,000,000	0	0	410,000,000
A42000 - Sewerage Department	292,437,462	878,315,962	484,218,799	484,218,799	(394,097,163)
Grand Total	292,437,462	878,315,962	484,218,799	484,218,799	(394,097,163)

CITY OF DETROIT
MAYOR'S 2003/2004 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
00089 - Administration			
421030 - Document Management			
Messenger	0	0	2
Office Assistant II	0	0	1
Senior Clerk	0	0	1
Office Assistant III	0	0	1
Principal Clerk	0	0	1
Admin Asst GD II - DWSD	0	0	1
Total Document Management	0	0	7
421070 - Safety			
Principal Clerk	0	0	2
Sr Governmental Analyst	0	0	1
Offset Printer	0	0	1
Senior Clerk	0	0	2
Principal Governmental Analyst	0	0	1
Revenue Collections Specialist	0	0	1
Total Safety	0	0	8
421090 - Office of Program Management Ass			
Engineer of Water Systems	1	1	1
Admin Asst GD IV	1	1	1
Admin Asst GD III	1	1	1
Admin Asst GD II - DWSD	1	0	0
Administrative Specialist I	1	1	1
Principal Governmental Analyst	2	2	3
Inter Governmental Analyst	3	0	0
Sr Governmental Analyst	3	1	3
Sr Asst Civil Eng - Wastewater	1	1	1
Eng Support Specialist I	1	0	0
Publicist II	1	0	0
Librarian II - Arts Reference	1	0	0
Head Clerk	1	1	1
Principal Clerk	2	2	2
Office Assistant III	3	2	2

CITY OF DETROIT
MAYOR'S 2003/2004 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
00089 - Administration			
421090 - Office of Program Management Asst			
Office Assistant II	3	2	2
Messenger	1	1	1
Total Office of Program Management Asst	27	16	19
421100 - Print Shop			
Supervisor of Printing	0	0	1
Offset Printer	0	0	1
Duplicating Devices Operator	0	0	1
Total Print Shop	0	0	3
Total Administration	27	16	37
00162 - Wastewater Plant Operations			
425010 - Office of Assistant Director of Wastewater			
Asst Dir -DWSD Wastewater Oper	1	1	1
Head Eng - Water Sys-Operation	1	1	1
Engineer of Wastewater Systems	1	1	1
Proc Control Center Supervisor	1	0	0
Head Governmental Analyst	3	2	2
Office Assistant III	1	1	1
Total Office of Assistant Director of Wastewater	8	6	6
425020 - Plant Administration			
Chief Sewage Plant Engineer	1	1	1
Asst Chief - WWTP-Technical	2	1	1
Manager II - DWSD	1	1	1
Office Management Assistant	4	2	2
Administrative Specialist I	1	1	1
Admin Asst GD II - DWSD	2	2	2
Sr Governmental Analyst	2	2	2
Head Clerk	3	3	3
Principal Clerk	2	2	2
Senior Clerk	34	32	32
Office Assistant III	16	13	13

CITY OF DETROIT
MAYOR'S 2003/2004 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
00162 - Wastewater Plant Operations			
425020 - Plant Administration			
Senior Stenographer	1	0	0
Sr Promotional Activities Asst	1	1	1
Water/Wastewater Sys Maint Eng	1	1	1
Engineer of Water Systems	6	6	6
Sr Assoc Civil Eng - Waste	5	5	5
Sewage Plant Opr Super	2	2	2
Sr Assoc Mech Eng - Waste	3	3	3
Associate Civil Eng - Design	10	10	10
Assoc Mech Eng -Wastewater Sys	9	9	9
Sr Assoc Elect Eng - Waste	7	7	7
Assoc Architectural Engineer	1	0	0
Eng Support Specialist II	3	3	3
Eng Support Specialist I	1	1	1
Senior Water Systems Chemist	18	18	18
Water Systems Chemist	45	45	45
Senior Analytical Chemist	13	10	10
Analytical Chemist	38	34	34
Senior Microbiologist	1	0	0
Microbiologist	5	5	5
Drafting Technician IV	1	0	0
Drafting Technician III	1	1	1
Drafting Technician II	3	3	3
Building Operator II	12	10	10
Assoc Elect Eng - Design	4	4	4
Wastewater Systems Trng Sprv	1	1	1
Principal Training Specialist	2	1	1
Senior Training Specialist	2	2	2
Plant Maintenance Sr Foreman	7	7	7
Plant Maintenance Foreman	21	21	21
Plant Maintenance Sub-Foreman	24	17	17
Plant Maintenance Mechanic	57	54	54

CITY OF DETROIT
MAYOR'S 2003/2004 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
00162 - Wastewater Plant Operations			
425020 - Plant Administration			
Repair Mechanic	34	30	30
Mechanical Helper	15	15	15
Water Sys Cntrl Instr Tech	34	28	28
Control Instru Tech -Foreman	2	2	2
Cont Instr Tech Sub-Foreman-Wa	10	10	10
Wastewater Treatment Plant Tec	8	8	8
Water Systems Laboratory Aid	3	3	3
HVAC Systems Repair Tech	4	2	2
Elect Worker Foreman	2	1	1
Elect Worker Sub-Foreman	7	7	7
Elect Worker - General	32	32	32
Elect Repair Worker - General	11	6	6
Maintenance Millwright	13	10	10
Electrical Helper	4	1	1
General Welder	4	4	4
Finish Carpenter	4	4	4
Bricklayer	4	4	4
Master Plumber	1	1	1
Plumber	29	24	24
Steamfitter	3	3	3
General Machinist	1	0	0
Supervising Bldg Attendant I	2	2	2
Senior Building Attendant	2	2	2
Building Attendant A	30	30	30
Park Maintenance Foreman	2	2	2
Park Maintenance Sub-Foreman	1	0	0
Park Maintenance Worker	6	6	6
Park Maintenance Helper	4	2	2
Preventive Maintenance Coord	1	0	0
Manager II - Wastewater	2	1	1
Wastewater Plant General Sprv	1	1	1

CITY OF DETROIT
MAYOR'S 2003/2004 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
00162 - Wastewater Plant Operations			
425020 - Plant Administration			
Sewage Plant Laboratory Sprv	2	2	2
Asst Sewage Plant Oper Super	1	1	1
Asst Sewage Plant Lab Sprv	5	5	5
Sewage Plant Supervisor	7	7	7
Head Sewage Plant Operator	26	22	22
Asst Head Sewage Plant Oper	79	69	69
Sr Sewage Plant Operator	12	11	11
Wastewater Process Controller	11	11	11
Sewage Plant Operator	130	130	130
Sewage Plant Attendant	128	113	113
Vehicle Operator I	4	4	4
Delivery - Driver	3	3	3
Construction Equip Operator	2	0	0
Total Plant Administration	1,059	960	960
425140 - I. W. C. Field Monitoring			
Manager II - DWSD	1	1	0
Manager I - DWSD	1	1	1
Admin Asst GD II - DWSD	1	1	1
Administrative Specialist I	1	1	1
Sprv of Indust Waste Control	2	2	2
Head Eng - Water Sys - Design	1	0	0
Engineer of Water Systems	1	1	1
Chemical Engineer	2	2	2
Sr Assoc Chem Eng-Indust Waste	4	4	4
Assoc Chem Eng-Wastewater Sys	13	12	12
Sr Asst Chem Eng Indus Waste	13	13	13
Database Administrator	1	1	1
Sr Indus Wastewater System	6	5	5
Principal Governmental Analyst	2	2	2
Sr Governmental Analyst	4	4	4
Office Management Assistant	2	1	1

CITY OF DETROIT
MAYOR'S 2003/2004 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
00162 - Wastewater Plant Operations			
425140 - I. W. C. Field Monitoring			
Head Clerk	1	1	1
Principal Clerk	2	2	2
Senior Clerk	4	4	4
Office Assistant III	3	3	3
Senior Stenographer	1	1	1
Office Assistant II	2	2	2
Clerk	1	1	1
Eng Support Specialist II	9	9	9
Environmental Specialist III	4	2	2
Environmental Specialist II	4	4	4
Head Constr Inspector - DWSD	2	2	2
Water Systems Investigator	15	15	15
Asst Water Sys Investigator	15	15	15
Plant Maintenance Sr Foreman	2	2	2
Park Maintenance Worker	1	0	0
Bldg Oper Sprv - Grade II	1	1	1
Water Sys Cntrl Instr Tech	2	2	2
Senior Building Attendant	1	1	1
Building Attendant A	2	2	2
Indus Waste Control Mgr	0	0	1
Total I. W. C. Field Monitoring	127	120	120
Total Wastewater Plant Operations	1,194	1,086	1,086
05831 - Engineering Services - Sewage			
423020 - Engineering Administrative Service			
Head Eng - Water Sys - Design	1	1	1
Head Civil Eng - Field	1	1	1
Engineer of Water Systems	5	5	5
Electrical Eng - Design	1	1	1
Sr Assoc Civil Eng - Design	17	12	12
Sr Assoc Elect Eng - Design	6	4	4
Sr Assoc Mech Eng - Design	7	6	6

CITY OF DETROIT
MAYOR'S 2003/2004 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization	2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification			
05831 - Engineering Services - Sewage			
423020 - Engineering Administrative Service			
Associate Civil Eng - Design	27	10	10
Assoc Elect Eng - Design	9	5	5
Assoc Mech Eng - Design	11	5	5
Sr Asst Civil Eng - Wastewater	17	14	14
Sr Asst Mech Eng - Wastewater	6	5	5
Sr Asst Mech Eng - Design	1	1	1
Sr Asst Elect Eng - Wastewater	8	6	6
Sr Asst Elect Eng - Design	1	1	1
Assistant Electrical Engineer	1	0	0
Assistant Civil Engineer	3	2	2
Assistant Mechanical Engineer	1	1	1
Drafting Technician IV	1	1	1
Drafting Technician III	20	6	6
Sr Geograph Info Sys Supp Tech	3	3	3
Eng Support Specialist II	6	6	6
Eng Support Specialist I	7	4	4
Student Eng GD II Civil LTD	1	1	1
Head Constr Inspector - DWSD	3	3	3
Prin Construct Inspector-DWSD	6	6	6
Sr Construction Inspector	31	21	21
Construction Inspector	6	6	6
Sewer Systems Sprv Insp	1	1	1
Sewer Inspector - Video Equip	3	3	3
Asst Sewer Inspector -Video Eq	3	3	3
Sewer Safety Inspector	3	3	3
Asst Sewer Safety Inspector	1	1	1
Sewer Safety Helper	10	9	9
Permit Investigating Clerk-Wat	2	0	0
Junior Governmental Analyst	2	0	0
Principal Clerk	2	2	2
Office Assistant III	6	5	5

**CITY OF DETROIT
MAYOR'S 2003/2004 RECOMMENDED BUDGET**

Sewerage Department

Appropriation		REDBOOK FY	DEPT REQUEST	MAYORS FY
Organization		2002 2003 FTE	FY 2003 2004 FTE	2003 2004 FTE
Classification				
05831 - Engineering Services - Sewage				
423020 - Engineering Administrative Service				
Senior Clerk		3	2	2
Office Assistant II		7	7	7
Clerk		6	5	5
Total Engineering Administrative Services		256	178	178
Total Engineering Services - Sewage		256	178	178
Agency Total		1,477	1,280	1,301